



Attorney Docket No. YOR920030004US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s): C.C. Aggarwal et al.
Docket No.: YOR920030004US1
Serial No.: 10/600,690
Filing Date: June 20, 2003
Group: 2123
Examiner: To Be Assigned

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature:  Date: November 24, 2003

Title: Method and Apparatus for Classifying
Unmarked String Substructures Using Markov Models

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants' attorney wishes to bring to the attention of the Patent and Trademark Office the following documents listed on the accompanying Form PTO-1449. A copy of each listed document is enclosed.

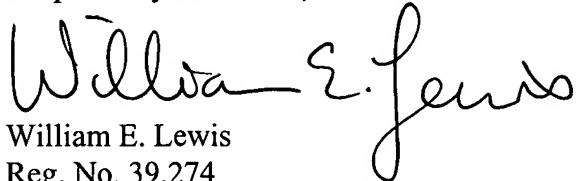
1. C.C. Aggarwal, "On Effective Classification of Strings with Wavelets," ACM KDD Conference, 10 pages, 2002.
2. G.A. Churchill, "Stochastic Models for Heterogeneous DNA Sequences," Bulletin of Mathematical Biology, Vol. 51, No. 1, pp. 79-94, 1989.
3. M. Deshpande et al., "Evaluation of Techniques for Classifying Biological Sequences," Technical Report, TR 01-33, University of Minnesota, pp. 1-8, 2001.
4. S. Subbiah et al., "A Method for Multiple Sequence Alignment with Gaps," Journal of Molecular Biology, Vol. 209, pp. 539-548, 1989.

5. D. Haussler et al., "Protein Modeling Using Hidden Markov Models: Analysis of Globins," Technical Report UCSC-CRL-92-23, University of California at Santa Cruz Comp. Sci., 12 pages, 1993.

It is believed that there is no fee due in conjunction with the filing of this Information Disclosure Statement. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **International Business Machines Corporation Deposit Account No. 50-0510** as required to correct the error.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or as an admission that the information cited is considered to be material to patentability, or as a representation that no other material information exists.

Respectfully submitted,



William E. Lewis
Reg. No. 39,274
Attorney for Applicant(s)
Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, NY 11560
(516) 759-2946

Date: November 24, 2003

FORM PTO-1449 (MODIFIED)**LIST OF PUBLICATIONS FOR
APPLICANT'S INFORMATION
DISCLOSURE STATEMENT**

Applicant(s): C.C. Aggarwal et al.
 Docket No.: YOR920030004US1
 Serial No.: 10/600,690
 Filing Date: June 20, 2003
 Group: 2123

U.S. PATENT DOCUMENTS

EXAMINER	INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUBCLASS	FILING DATE IF APPROPRIATE
----------	---------	--------------	------	------	----------------	-------------------------------

FOREIGN PATENT DOCUMENTS

EXAMINER	INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS/SUBCLASS	TRANSLATION YES NO
----------	---------	--------------	------	---------	----------------	-----------------------

OTHER DOCUMENTS

EXAMINER	INITIAL	REF NO.	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
----------	---------	---------	--

- 1. C.C. Aggarwal, "On Effective Classification of Strings with Wavelets," ACM KDD Conference, 10 pages, 2002.
- 2. G.A. Churchill, "Stochastic Models for Heterogeneous DNA Sequences," Bulletin of Mathematical Biology, Vol. 51, No. 1, pp. 79-94, 1989.
- 3. M. Deshpande et al., "Evaluation of Techniques for Classifying Biological Sequences," Technical Report, TR 01-33, University of Minnesota, pp. 1-8, 2001.
- 4. S. Subbiah et al., "A Method for Multiple Sequence Alignment with Gaps," Journal of Molecular Biology, Vol. 209, pp. 539-548, 1989.
- 5. D. Haussler et al., "Protein Modeling Using Hidden Markov Models: Analysis of Globins," Technical Report UCSC-CRL-92-23, University of California at Santa Cruz Comp. Sci., 12 pages, 1993.

Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.